

3) Given

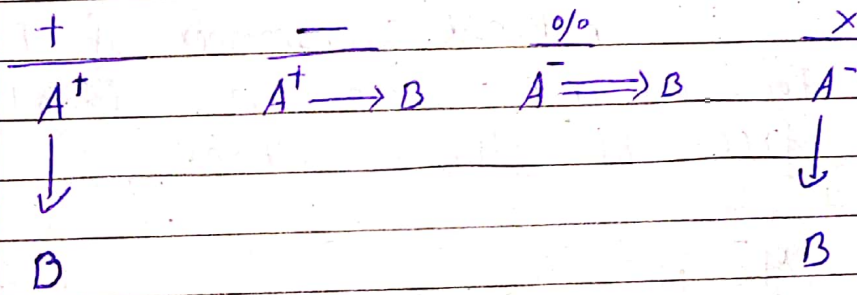
$A + B = A$ is the father of B

$A - B = A$ is the brother of B

$A \% B = A$ is the wife of B

$A \times B = A$ is the mother of B

So, we can get



Note

- The direction of the relationship is shown with an arrow.
- One symbol tells the gender of the person from which the relationship starts

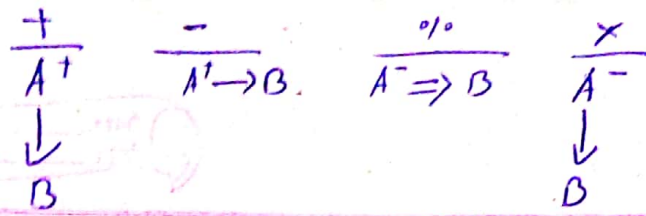
A^+ is used to denote A as Male

A^- is used to denote A as Female

- Father / Mother relation to their son / Daughter is used as downward flow

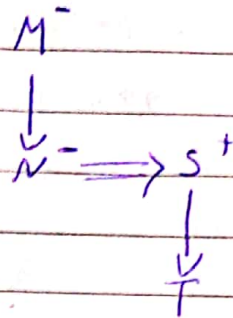
- Brother / Sister is denoted with horizontal line.

- Spouse is denoted with equal line.



3) Lets draw the family tree.

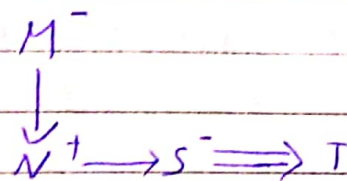
A) $M^- \times N \% S^+ T$



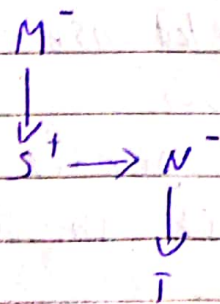
$\therefore$ option A is correct as N^- and S^+ are couple and parent of T and M^- is mother of N. Thus M^- is the maternal grandmother of T.

For reference, here are family tree of other options

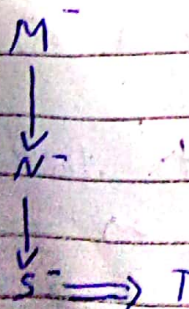
B)



C)

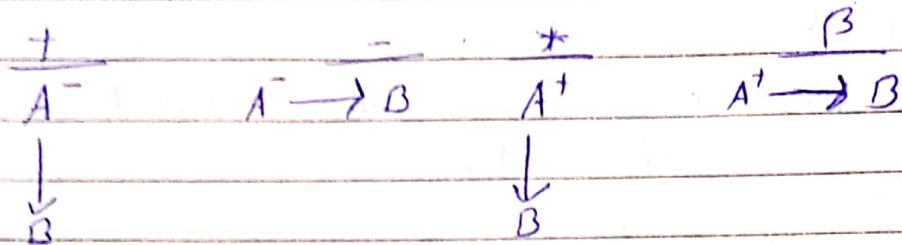


D)

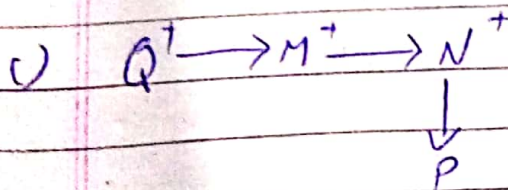
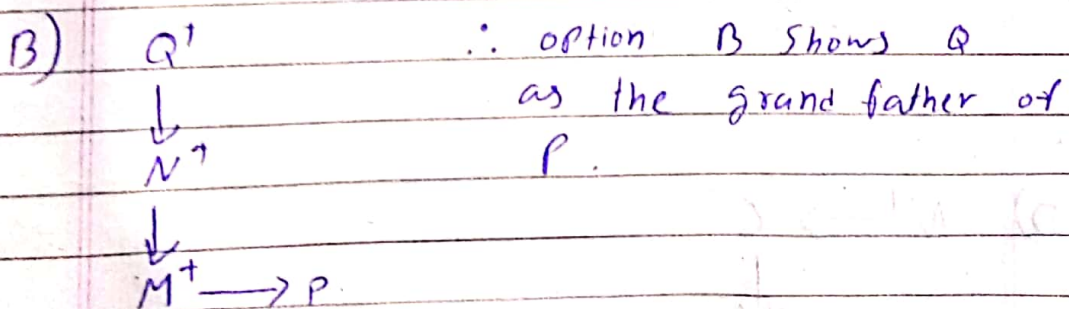
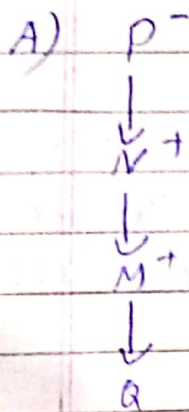


4) Using the same method

Directions

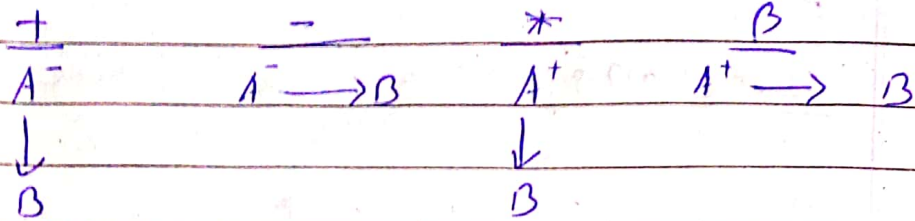


Required : Q is the grand father of P.

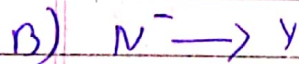
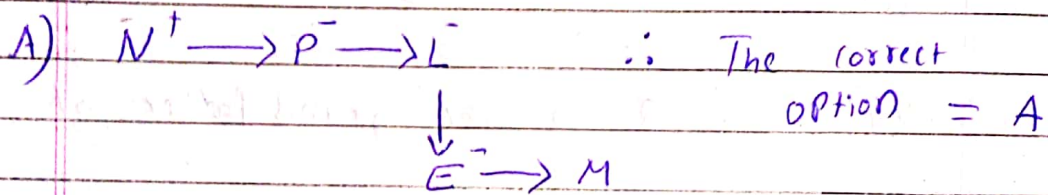


5)

Directions



Required: N is the maternal uncle of M .



(Here you can stop drawing further as N^- is "Female" to save time)

